

a memory for storing at least one characteristic of said source; said memory storing at least one characteristic of said destination;  
wherein said processor determines a route for the transmission of said information based on said query signal and on said characteristics stored in said memory, wherein a characteristic of said destination includes information relating to the equipment at said destination.

3. (Amended) The system according to claim 2, wherein said source subscribes to a fixed wireless service network.

4. (Amended) The system according to claim 3, wherein said destination subscribes to the same fixed wireless service network as said source.

5. (Amended) The system according to claim 3, wherein said destination subscribes to a PSTN service network.

6. (Amended) A system for managing the routing of information from a source to a destination through a plurality of networks, wherein at least one of said networks is a packet network, said system comprising:

a routing processor for receiving a query signal from said source, said signal specifying said destination to which said information will be routed; and

a memory for storing at least one characteristic of said source; said memory storing at least one characteristic of said destination;  
wherein said processor determines a route for the transmission of said information based on said query signal and on said characteristics stored in said memory, wherein a characteristic of said destination includes information identifying the service to which said destination subscribes.

7. (Amended) The system according to claim 6, wherein said information includes digitized voice information.

8. (Amended) The system according to claim 6, wherein said signal is a DTMF signal.

9. (Amended) A system for routing information to a destination, said system comprising:  
a plurality of networks, wherein at least one of said networks is a packet network and wherein each network is linked to at least one other network by a communication medium;  
and

a routing processor for receiving a query signal, said query signal, including at least one characteristic of said destination, said routing processor determining a transmission path for routing said information through said plurality of networks;

wherein said routing processor determines said transmission path based on said query signal and on said received characteristics, wherein said received characteristics include information relating to the equipment at said destination.

10. (Amended) The system according to claim 12, wherein said destination subscribes to a fixed wireless service network.

11. (Amended) The system according to claim 12, wherein said destination subscribes to a PSTN service network.

12. (Amended) A system for routing information to a destination, said system comprising:  
a plurality of networks, wherein at least one of said networks is a packet network  
and wherein each network is linked to at least one other network by a communication medium;  
and

a routing processor for receiving a query signal, said query signal including at least one characteristic of said destination, said routing processor determining a transmission path for routing said information through said plurality of networks;

wherein said routing processor determines said transmission path based on said query signal and on said received characteristics, wherein said characteristics of said destination identify the type of service to which said destination subscribes.

13. (Amended) A method for managing the routing of information to a destination through a plurality of networks, wherein at least one of said networks is a packet network, each network being linked to at least one other network by a communication medium, said method comprising the steps of:

receiving a query specifying a destination to which said information will be routed at a routing processor;

storing at least one characteristic of said destination; and

determining a route for the transmission of said information based on said query and on said stored characteristics, wherein said stored characteristics include information relating to the equipment at said destination.

14. (Amended) The method according to claim 15, wherein said step of storing characteristics includes the step of storing at least one address for said destination.

15. (Amended) A method for managing the routing of information to a destination through a plurality of networks, wherein at least one of said networks is a packet network, each network being linked to at least one other network by a communication medium, said method comprising the steps of:

receiving a query specifying a destination to which said information will be routed at a routing processor;

storing at least one characteristic of said destination; and

determining a route for the transmission of said information based on said query and on said stored characteristics, wherein said step of determining includes the step of identifying the subscriber service of said destination.

16. (Amended) A method for managing the routing of information to a destination through a plurality of networks, wherein at least one of the networks is a packet network and wherein

each network is linked to at least one other network by a communication medium, said method comprising the steps of:

receiving a query signal from a source of one of said networks and information concerning at least one characteristic of said destination; and

determining a transmission path for routing said information through said networks, said transmission path comprising at least one network in addition to said packet network, wherein said step of determining is based on said received query signal and on said received characteristics, wherein said characteristics include information relating to the equipment at said destination.

17. (Amended) A method for managing the routing of information to a destination through a plurality of networks, wherein at least one of the networks is a packet network and wherein each network is linked to at least one other network by a communication medium, said method comprising the steps of:

receiving a query signal including routing requirements from a source; and

determining a transmission path for routing said information through said networks, wherein said transmission path comprises network elements of at least one of said networks in addition to network elements of said packet network, wherein said step of determining a transmission path includes the step of identifying the equipment at said destination.

18. (Amended) A method for managing the routing of information to a destination through a plurality of networks, wherein at least one of the networks is a packet network and wherein each network is linked to at least one other network by a communication medium, said method comprising the steps of:

receiving a query signal including routing requirements from a source; and

determining a transmission path for routing said information through said networks, wherein said transmission path comprises network elements of at least one of said networks in addition to network elements of said packet network, wherein said step of determining a transmission path includes the step of identifying the subscriber service of said destination.

19. (Amended) A method for managing the routing of information from a subscriber of a fixed wireless service network to a destination through a plurality of networks, wherein at least one of said networks is a packet network and wherein each network is linked to at least one other network by a communication medium, said method comprising the steps of:

receiving a query signal from said subscriber of said fixed wireless service network;

storing information concerning at least one characteristic of said destination at a routing processor;

determining a transmission path for routing said information through said networks, said transmission path comprising elements of at least one of said networks in addition to elements of said packet network, wherein said step of determining said transmission path is

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based on said query and said stored characteristics, wherein said characteristics include information relating to the equipment at said destination; and  
routing said information over said path.

20. (New) The method for managing the routing of information to a destination through a plurality of networks, wherein at least one of the networks is a packet network and wherein each network is linked to at least one other network by a communication medium, said method comprising:

receiving a query signal from a source of one of said networks and information concerning at least one characteristic of said destination; and

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determining a transmission path for routing said information through said networks, said transmission path comprising at least one network in addition to said packet network, wherein said step of determining is based on said received query signal and on said received characteristics, wherein said characteristics include information identifying the service to which said destination subscribes.

21. (New) A method for managing the routing of information from a subscriber of a fixed wireless service network to a destination through a plurality of networks, wherein at least one of said networks is a packet network and wherein each network is linked to at least one other network by a communication medium, said method comprising:

receiving a query signal from said subscriber of said fixed wireless service network;

storing information concerning at least one characteristic of said destination at a routing processor;

determining a transmission path for routing said information through said networks, said transmission path comprising elements of at least one of said networks in addition to elements of said packet network, wherein said step of determining said transmission path is based on said query and said stored characteristics, wherein said characteristics include information identifying the service to which said destination subscribes; and

routing said information over said path.

AG Cont. 22. (New) A system for managing the routing of information from a source to a destination through a plurality of networks, wherein at least one of said networks is a packet network, said system comprising:

a routing processor for receiving a query signal from said source, said signal specifying said destination to which said information will be routed;

wherein said processor determines a route for the transmission of said information based on said query signal and on information relating to the equipment at said destination.

23. (New) The system according to claim 22, wherein said source subscribes to a fixed wireless service network.

24. (New) The system according to claim 23, wherein said destination subscribes to the same fixed wireless service network as said source.



25. (New) The system according to claim 23, wherein said destination subscribes to a PSTN service network.

26. (New) A system for managing the routing of information from a source to a destination through a plurality of networks, wherein at least one of said networks is a packet network, said system comprising:

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a routing processor for receiving a query signal from said source, said signal specifying said destination to which said information will be routed;  
wherein said processor determines a route for the transmission of said information based on said query signal and on information identifying the service to which said destination subscribes.

27. (New) The system according to claim 26, wherein said information includes digitized voice information.

28. (New) The system according to claim 26, wherein said signal is a DTMF signal.

29. (New) A method for managing the routing of information to a destination through a plurality of networks, wherein at least one of said networks is a packet network, each network being linked to at least one other network by a communication medium, said method comprising:  
receiving a query specifying a destination to which said information will be routed at a routing processor; and